

Patent Application
Docket No. P14984US

CLAIM AMENDMENT

1. (currently amended) ~~A table for associating an Internet Protocol (IP) address with a Policy Enforcement Point (PEP), wherein the table at least comprises a column for ranges of IP addresses and a column for the PEPs associated with the IP address ranges, and a number of rows, each row listing an IP address range and its associated PEP. A network node in an Internet Protocol (IP) network comprising a table, the table comprising:~~
 - a plurality of records, wherein each record associates at least two Policy Enforcement Points (PEP) with a range of IP addresses; and
 - wherein the network node is capable of:
 - with a specific IP address, finding one of the plurality of records from the table corresponding to the specific IP address, wherein the specific IP address is within the range of IP addresses of the one of the plurality of records;
 - reading a first one of the at least two PEPs in the one of the plurality of records;
 - sending policy information to the first PEP;
 - upon reception of an indication that the first PEP is not working, reading a second one of the at least two PEPs in the one of the plurality of records; and
 - sending policy information to the second PEP.
2. (cancelled)

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3. (currently amended) A Policy Decision Point (PDP) comprising at least one stored data record comprising an Internet Protocol (IP) address range, and a first Policy Enforcement Point (PEP) and a second PEP associated with the IP address range. The network node according to claim 1, wherein the range of IP addresses represents a single IP address.
4. (currently amended) The PDP network node according to claim 3 1, wherein the network node is a Policy Decision Point (PDP). PEP in each data record is the primary PEP for the IP address range and wherein the data record further comprises a secondary PEP associated with the IP address range.
5. (currently amended) The PDP network node according to claim 3 4, wherein the PDP network node resides in a Third Generation Partnership Project (3GPP) network.
6. (currently amended) The PDP network node according to claim 5, wherein the PDP network node is an IP Policy Control (IPPC).
7. (currently amended) The PDP network node according to claim 5, wherein the PDP network node resides in a Proxy Call State Control Function (P-CSCF).
8. – 11. (canceled)
12. (currently amended) A method for updating a table of data records, wherein each of the data records associates ing an Internet Protocol (IP) address range with a first Policy Enforcement Point (PEP) and a second PEP and, wherein the table of data record resides in a network node, the method comprising steps of:
 - receiving from a sending by the PEP routing information to in the network node; and
 - upon reception of the routing information at the network node:
 - extracting, from the routing information, the IP addresses assigned to the PEP; and

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- comparing the received routing information with information stored in at least one data record, wherein the at least one data record has at least one of the PEP and the IP addresses being listed therein; and
- if needed, updating the at least one data record.

13. (currently amended) The method according to claim 12, wherein the network node is a Policy Decision Point (PDP).
14. (original) The method according to claim 12, wherein the IP addresses in the routing information are represented by at least one IP address range.
15. (original) The method according to claim 12, wherein the data record is an entry in a table.
16. (original) The method according to claim 12, wherein the routing information is sent using a standard routing protocol.
17. – 22.(cancelled)